

## ABSTRACT

A wireless method and apparatus for transmitting signal, for example, from a source, to headphones or speakers, while allowing relatively unrestricted  
5 range of movement/placement for the headphones or speakers. An infrared transmitter diverges its signal by passing the signal through a concave lens. The signal is processed to bounce off of objects, such as, walls, ceilings and floors before reaching the receiver on the headphones/speakers. The receiver  
has a convex lens affixed to it, so as to converge the transmitted signal. The  
10 signal is polarized so that ambient light is filtered.